

FAST-STAT Model 5000 Installation Instructions

Application

1. The model 5000 FAST-STAT is designed to reduce installation time when retrofitting 2-stage furnaces.
2. With a 2-wire thermostat cable it can provide 2-stage heating and single stage cooling control. With a 4-wire thermostat cable it can be used for a wide range of applications including heat pumps.

Before installing this product

1. Read instructions. If you have any questions please contact tech support line at the number listed below.
2. This product is designed for use only on 24 volt ac circuits supplied by a class 2 transformer.
3. This product is only to be installed by qualified technicians.
4. To avoid risk of electrical shock or equipment damage disconnect power before beginning installation.

Operational Considerations

1. A call for Compressor (Y) will always switch on Fan (G). A call for heat (W1 and/or W2) will cause Compressor (Y) and Fan (G) to shut off. A call for second stage heat (W2) will always switch on first stage heat (W1). This is the same sequence of operation as most thermostats. This information is provided for reference when using the model 5000 in other applications such as heat pumps.
2. The common connection provided by the sending unit for the thermostat may not be compatible with all thermostats that require a "C" connection. If this problem is encountered, a wire (if available) may be connected to the thermostat "C" terminal and the furnace / fan coil common terminal. Remove and tape back the sending unit black wire when doing this.
3. The power supply must be between 21 to 28 volts for correct operation. The total connected load must not exceed 2 amps.

Table 1. Terminal designation descriptions

| Terminal Designation | Description | Comment | Color |
|----------------------|--------------------|--|-------------|
| R | Transformer Power | Included & must be connected | Red |
| C | Transformer Common | Included & must be connected at Receiver | Black |
| Y - Y1 | Compressor Stage 1 | Included | Yellow |
| Y2 | Compressor Stage 2 | Requires additional thermostat cable conductor | not defined |
| G | Fan | Included | Green |
| W1 | 1st Stage Heat | Included | White |
| W2 | 2nd Stage Heat | Included | Blue |
| O/B | Reversing Valve | Requires additional thermostat cable conductor | Not Defined |

Tech Support: 1-800-775-4750